Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Saturday 18 Dec 2021 until 23:59 on Sunday 19 Dec 2021

Forecast Issued on Friday 17 Dec 2021 at 17:04

Confidence: High for settled and largely dry conditions but lower for cloud details.

Headline for Saturday 18 Dec 2021: Many summits sunny but low cloud and fog on lower slopes. Light winds.

Mountain weather hazards on Saturday 18 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	<05%	<05%	<05%

Forecast for Saturday 18 Dec 2021

Weather: Dry with clear or sunny spells. Cloud over low slopes likely to persist through much of the day but ground above about 450-600m, above the temperature inversion, likely to see almost unbroken sunshine.

Chance of cloud free mountain/hill tops above 800m: 100%, although lower slopes near zero

Visibility: Periods or persistent cloud below 450-600m with visibility near zero at times, but above this level visibility generally excellent.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Saturday 18 Dec 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	10/13 SE	11/14 SE	9/11 SE	9/12 SE	9/11 SE	8/10 E	6/7 SE	5/7 SE	4/6 NE
600	6/8 S	7/9 S	5/7 E	5/8 SE	5/8 S	5/6 E	3/5 E	3/4 SE	3/4 E
300	5/10 SE	5/10 SE	3/7 SE	3/7 SE	3/7 SE	2/4 E	2/5 SE	2/5 SE	2/3 E
Valley	2/8 E	1/7 E	2/5 E	2/6 SE	2/6 E	2/4 E	2/4 E	2/4 E	2/4 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	6/3	6/2	6/3	6/3	7/4	7/4	7/5	6/4	5/4
600	6/3	6/3	5/3	6/4	6/5	6/5	6/5	6/4	4/3
300	4/3	5/3	5/3	5/3	6/6	5/4	4/3	4/2	2/1
Valley	5/4	5/4	4/3	4/2	6/5	6/5	4/2	4/2	2/1
Freezing Level*	1900m	1800m	1800m	1800m	1900m	1900m	1800m	1700m	1600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Temperatures at low levels may dip close to zero at first and again in evening under any clearer spells, but at height maximum temperatures nearer plus 10 Celsius.

Forecast for Sunday 19 Dec 2021

Weather: Similar to Saturday, generally quite a lot of cloud over lower slopes, but, once again above the inversion, skies clear with almost unbroken sunshine by day.

Maximum wind: Variable, mainly northeasterly, 10mph or less

Chance of cloud free mountain/hill tops above 800m: 100%, although lower slopes near zero

Visibility: Periods or persistent cloud below about 450m with visibility near zero at times, but above this level visibility generally excellent.

Temperature: **Valleys:** Around plus 5 or 6 Celsius, perhaps close to zero at first and again in evening if cloud breaks.
At 800m: Plus 7 or 8 Celsius
Freezing level: Above the summits

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Ground Conditions Supplement

Date: Friday 17 December 2021 Location: Helvellyn summit at 12:21 Full report: A dry, bright and clear day in the fells with light winds. A temperature inversion meant that low cloud and fog was present in some valleys during the morning but this slowly cleared most areas leaving a beautiful day with superb air clarity and visibility. The fells are for the most part snow-free, however, there are still some large patches and long continuous ribbons of snow to be found typically but not exclusively on steep north through east-facing aspects above 700m. The relatively mild summit temperature recorded today was taken in direct sun, but it's worth noting that in the shade (down to valley level) it remained close to freezing. All of the snow encountered today was hard and icy and ice was present on the paths in some places and didn't melt much through the day. Swirral and Striding can almost be done without setting foot on snow at the moment, however, there is a bank of steep snow on the exit slopes which requires good care to negotiate safely. Although small, an ice axe and crampons or microspikes are advised. Full winter clothing (warm and waterproof) and equipment including hat and gloves, map, compass, and a headtorch are all essential. Temperature: plus 11.4 C, Maximum wind speed 8.6 mph, Wind chill: plus 10.3 C, Average wind speed: 1.0 mph

Issued at: 1704 on Fri 17 Dec 2021

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